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Engineering Note

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Rev Date:

Project: Minos LVPS System

Doc. No: H20040312

Subject: Checkout and Limits Set

- ☐ Verify that the crate is okay for power-up. Look for such things as loose connections, missing cables and disconnect any cards installed in the crate.
- ☐ Connect the AC power to the supply. The front panel should go through the initialization process.
- ☐ Turn the supply ON using the front panel switch. Verify the supply is operating correctly.
- ☐ Turn OFF and remove the front panel of the Wiener. Unplug the 9 pin 'D' connector and stow the panel in a safe place.
- ☐ Connect the special cable to the PC and the socket where the front panel was removed. Start the PC program UEP6000.
- ☐ Adjust the settings as indicated by the settings sheet for the particular supply selected. Either a Master or a Minder type. (following pages)
- ☐ Turn the supply ON by clicking the POWER ON/POWER OFF line. Verify correct operation.
- ☐ Make any fine adjustments to the voltage reads as deemed necessary to obtain the correct output voltage.
- ☐ Turn the supply OFF and reconnect the front panel. Disconnect the AC power and replace the front panel.
- ☐ Make note of which supply has had this adjustment.

UEP6000 (Period 477, Messages: 3039 sent, 3039 received)						
File Options Configuration Help						
Power Supply Version	UEP6000 2.14					
Network	CAN1.05: Address 1, General Call 127, Speed Code 1					
Power Supply ID	1097018					
CAN Version:	CAN 1.05					
Channel Name:	U0	U1	U3	U5		
Calibration (I-Monitor):	35192	8663	16701	0	8240	0
Calibration (Kovp):	15534	5046	15534	0	5046	0
Calibration (U-Monitor):	762	1929	759	0	1930	0
Calibration (Ku):	21147	5466	21074	0	5505	0
Calibration (Kf):	922	846	793	0	891	0
Configuration Flags	00 00 00 00					
Pin Assignment:	1	6	3	0	7	0
Output Voltage [V]:	5.00	12.00	3.30	0.00	12.00	0.00
maximum	8.15	30.48	8.15	0.00	30.48	0.00
Current Limit [A]:	25.00	25.00	25.00	0.00	25.00	0.00
maximum	230.00	46.00	115.00	0.00	46.00	0.00
Monitoring: Umin [V]:	4.50	0.00	3.17	0.00	0.00	0.00
maximum	327.67	327.67	327.67	327.67	327.67	327.67
Monitoring: Umax [V]:	5.25	12.60	3.55	0.00	12.60	0.00
maximum	327.67	327.67	327.67	327.67	327.67	327.67
Monitoring: Imin [A]:	0.00	0.00	0.00	0.00	0.00	0.00
maximum	0.00	0.00	0.00	0.00	0.00	0.00
Monitoring: Imax [A]:	20.00	20.00	20.00	0.00	20.00	0.00
maximum	230.00	46.00	115.00	0.00	46.00	0.00
OVP [V]:	6.25	15.00	4.13	0.00	15.00	0.00
maximum	10.76	33.12	10.76	0.00	33.12	0.00
Temperature Warning:	?	?	?	?	?	?
maximum	?	?	?	?	?	?
Temperature Limit:	127	127	127	127	127	127
maximum	127	127	127	127	127	127
Voltage fine adjust:	0	0	0	0	0	0
minimum	-128	-128	-128	-128	-128	-128
maximum	127	127	127	127	127	127
PS Temperature	18	OK	OK	OK	OK	OK
PS Temperature (max.)	127	127	127	127	127	127
Operating Time	8760 minutes (6 days, 2 hours, 0 minutes)					
Status	OK	OK	OK	OK	OK	OK
POWER ON						
AC OK						
TRIP OFF ENABLED						
Temperature	-	-	-	-	-	-
Voltage [V]	5.01	11.99	3.31	0.00	12.00	0.00
Current [A]	6.18	0.08	0.00	0.00	0.00	0.00

UEP6000 (Period 5664, Messages: 34175 sent, 34175 received)						
File Options Configuration Help						
Power Supply Version	UEP6000 2.14					
Network	CAN1.05: Address 1, General Call 127, Speed Code 1					
Power Supply ID	1697036					
CAN Version:	CAN 1.05					
Channel Name:	U0	U1	U3	U4	U5	U7
Calibration (I-Monitor):	18055	8553	16545	16340	4879	4881
Calibration (Kovp):	15534	5046	15534	15534	5046	15534
Calibration (U-Monitor):	762	1889	761	763	1892	759
Calibration (Ku):	20961	5605	20996	21071	5643	21065
Calibration (Kf):	853	848	827	797	814	853
Configuration Flags	00 00 00 00					
Pin Assignment:	1	6	3	2	7	5
Output Voltage [V]:	5.00	12.00	3.30	5.00	12.00	5.00
maximum	8.15	30.48	8.15	8.15	30.48	8.15
Current Limit [A]:	55.00	46.00	55.00	55.00	11.50	30.00
maximum	115.00	46.00	115.00	115.00	11.50	30.00
Monitoring:Umin [V]:	4.87	11.70	3.17	4.87	11.50	4.87
maximum	327.67	327.67	327.67	327.67	327.67	327.67
Monitoring:Umax [V]:	5.25	12.60	3.55	5.25	12.60	5.25
maximum	327.67	327.67	327.67	327.67	327.67	327.67
Monitoring:Imin [A]:	0.00	0.00	0.00	0.00	0.00	0.00
maximum	0.00	0.00	0.00	0.00	0.00	0.00
Monitoring:Imax [A]:	50.00	46.00	50.00	50.00	11.50	25.00
maximum	115.00	46.00	115.00	115.00	11.50	30.00
OVP [V]:	6.25	15.00	4.13	6.25	15.00	6.25
maximum	10.76	33.12	10.76	10.76	33.12	10.76
Temperature Warning:	?	?	?	?	?	?
maximum	?	?	?	?	?	?
Temperature Limit:	127	127	127	127	127	127
maximum	127	127	127	127	127	127
Voltage fine adjust:	0	0	0	0	0	0
minimum	-128	-128	-128	-128	-128	-128
maximum	127	127	127	127	127	127
PS Temperature	31	OK	OK	OK	OK	OK
PS Temperature (max.)	127	127	127	127	127	127
Operating Time	6581 minutes (4 days, 13 hours, 41 minutes)					
Status	OK	OK	OK	OK	OK	OK
POWER ON						
AC OK						
TRIP OFF ENABLED						
Temperature	-	-	-	-	-	-
Voltage [V]	5.02	12.00	3.30	5.02	12.04	5.00
Current [A]	7.22	13.61	16.64	7.49	0.23	2.62